C 程式設計題

命題者：TWK

題目名稱(中文/英文)：Compute the number of hours, minutes, and seconds that correspond to the input integer (seconds)

主要測試觀念： 算式計算

Basics	Functions
■ C++ BASICS 1	□ SEPARATE COMPILATION AND NAMESPACES
□ FLOW OF CONTROL	□ STREAMS AND FILE I/O
□ FUNCTION BASICS	□ RECURSION
□ PARAMETERS AND OVERLOADING	□ INHERITANCE
□ ARRAYS	□ POLYMORPHISM AND VIRTUAL FUNCTIONS
□ STRUCTURES AND CLASSES	□ TEMPLATES
□ CONSTRUCTORS AND OTHER TOOLS	□ LINKED DATA STRUCTURES
□ OPERATOR OVERLOADING, FRIENDS, AND REFERENCES	□ EXCEPTION HANDLING
□ STRINGS	□ STANDARD TEMPLATE LIBRARY
□ POINTERS AND DYNAMIC ARRAYS	□ PATTERNS AND UML

題目說明： Write a program that inputs an integer that represents a length of time in seconds. The program should then output the number of hours, minutes, and seconds that corresponds to that number of seconds.

輸入說明：if the user inputs 50391 total seconds

輸出說明：the program should output 13 hours, 59 minutes, and 51 seconds.

IO 範例 ：

	Sample Input	Sample Output
第一組測資與輸出	50391	13 hours 59 minutes and 51 seconds
第二組	489123456786	135867626 hours 53 minutes and 6 seconds
第三組	569035139015	158065316 hours 23 minutes and 35 seconds
…		

附屬資料：

☑解答程式： ComputeHMS.cpp(檔名)

☑測試資料：input.txt, output.txt

■ 易，僅需用到基礎程式設計語法與結構

□中，需用到多項程式設計語法與結構

□難，需用到多項程式結構或較為複雜之資料型態或結構

解題時間：15 分鐘。

其他註記：